

Counteracting Gas Ingestion in a Hydrodynamic Bearing SpindleMotor**Abstract of the Disclosure**

According to one embodiment of the present invention, a method of counteracting gas
5 ingestion in a hydrodynamic bearing of a spindle motor in a data storage device comprises
waiting for activity of a host connected with the data storage device to become idle. When the
activity of the host becomes idle, a determination is made whether to release gas from a fluid of
the hydrodynamic bearing of the spindle motor. Responsive to determining to release gas from a
fluid of the hydrodynamic bearing of the spindle motor a motor spin down routine for the spindle
10 motor is performed.